

Abstract of the Invention

A solid drug solution perforator (SSP) system and an associated drug reservoir are provided for delivering therapeutic, prophylactic and/or cosmetic compounds, for nutrient delivery and for drug targeting. For drug delivery, the SSP system includes an active drug ingredient and a matrix of perforator material that biodegrades or dissolves quickly upon contact with a patient's body. The SSP system provides a skin barrier perforator and a controller for prompt initiation and cut-off of drug delivery. In a preferred method of transdermal drug delivery, an SSP system containing a selected drug penetrates into an epidermis or dermis, and the drug is promptly released from the (dissolving) SSP system perforator. An additional drug is optionally delivered from a patch reservoir through skin pores created by insertion of the perforator. Formulation and fabrication procedures for the SSP and associated reservoir are also provided. An SSP system can be fabricated with variety of shapes and dimensions.